

DH2150Y-BC

The DH2150Y-BC mobile liquid-cooled storage and charging integrated container features a standard 20-foot high-cube design, with a total system capacity of 2.15MWh. It is equipped with a self-developed storage and charging operation management platform, it significantly enhances charging convenience and flexibility, enabling plug-and-play deployment to solve the "last-mile" charging challenge.



Integrated Storage&Charging

DC coupled of ESS and charging, highly compact design to overcome parking space limitations.



Smart&High Efficiency

Dynamically distributes charging power, combined with AI-powered cloud platform management for precise control, reducing costs and improving efficiency.



Cluster-Level Management

Independent management prevents system-wide downtime due to single unit failures and mitigates battery inconsistency issues.



Emergency Backup Power

Supports off-grid operation with plug-and-play deployment, meeting temporary power supply and distributed site requirements.



Ultimate Safety

PACK/cluster/water fire suppression +venting design+3-stage circuit breaking



Simple O&M

Modular design for easy installation, layout, and servicing, and support for online monitoring and O&M

SPECIFICATION

Model	DH2150Y-BC
Battery	
Battery Type	LFP (LiFePO ₄)
Battery Capacity	280Ah
Battery Configuration	1P240S*10
Rated Current	140A*10
Max. Current	160A*10
Voltage Range	696~864Vdc
Nominal Capacity	2150kWh
Charging Stack	
Total Power of Charging Stack*	760kW
Max. Power of Single Gun	150kW
Max. Current of Single Circuit	250A
Output Voltage Range	200~1000Vdc
Output Voltage Error	≤±0.5%
Number of Charging Gun	6
Length of Gunline	5m
Charging Standard	European standard DC fast charging CCS2 (Meets DIN 70121 and ISO 15118 protocols)
Charging Method	Swipe, Scan, NFC, APP
HMI	7-inch Touch screen
System	
Dimension (W/D/H)	6058/2438/2896mm (High Cube)
Weight	Approx. 28T (TBD)
Max. Efficiency	≥97% (TBD)
Temperature	-20~50°C (Derating above 45°C)
Humidity	0~95%RH (Non-condensing)
Ingress Protection	IP55
Anti-corrosion Grade	C3
Cooling Method	PACK Liquid-cooling, DC/DC Air-cooling
Elevation	3000m (Derating above 2000m)
Fire Protection	Aerosol, Water fire system, Multi-sensor/Water ingress detector, Audible&Visual alarm, Explosion Relief
Output Protection	Emergency stop, Access control, Water ingress, Over/Under voltage, Overload, Short circuit, Ground, High/Low temperature, Lightning protection, Fire protection

* When all 6 charging guns are in use, the system prioritizes the earliest connected: 4 at 150kW max and 2 at 80kW.

Model	EPCS1050-EN
AC	
Operating Power Requirements*	230Vac, 50Hz/60Hz, ≥2kW
Rated Power	100kW*10
AC Maximum Current	167A*10
AC Rated Voltage	400Vac
Wiring Method	3P3L+PE
Frequency	50Hz/60Hz
THDI	≤3% (Rated power)
DC Out	
Rated Power	100kW*10
Rated Current	140A*10
Output Voltage Range	615~950Vdc
Structure	
Dimension (W/D/H)	1515/1200/2250mm
Weight	Approx. 1400kg (TBD)
Max. Efficiency	98.50%
Cooling Method	Air-cooling

* PCS cabinets need to be connected to the auxiliary power supply separately.

